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US-PAT-NO: 5887243

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TITLE: Signal processing apparatus and methods

DATE-ISSUED: March 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Harvey; John Christopher	New York	NY		
Cuddihy; James William	New York	NY		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
Personalized Media Communications, L.L.C.	New York	NY				02

APPL-NO: 08/ 480060 [PALM]

DATE FILED: June 7, 1995

PARENT-CASE:

CROSS-REFERENCE TO RELATED APPLICATIONS This is a continuation of application Ser. No. 08/113,329 filed Aug. 30, 1993, herein incorporated by reference in its entirety, which is a continuation of application Ser. No. 08/056,501 filed May 3, 1993, now U.S. Pat. No. 5,335,277, which is a continuation of application Ser. No. 07/849,226, filed Mar. 10, 1992, now U.S. Pat. No. 5,233,654, which is a continuation of application Ser. No. 07/588,126 filed Sep. 25, 1990, now U.S. Pat. No. 5,109,414, which is a continuation of application Ser. No. 07/096,096, filed Sep. 11, 1987, now U.S. Pat. No. 4,965,825, which is a continuation-in-part of application Ser. No. 06/829,531, filed Feb. 14, 1986, now U.S. Pat. No. 4,704,725, which is a continuation of application Ser. No. 06/317,510, filed Nov. 3, 1981, now U.S. Pat. No. 4,694,490.

INT-CL: [06] H04 H 1/00

US-CL-ISSUED: 455/3.1; 455/6.2, 348/9, 348/10

US-CL-CURRENT: 725/136; 725/122, 725/135, 725/139, 725/142, 725/37

FIELD-OF-SEARCH: 348/1, 348/2, 348/3, 348/6, 348/7, 348/8, 348/9, 348/10, 348/11, 348/12, 348/468, 455/2, 455/3.1, 455/3.2, 455/3.3, 455/4.1, 455/4.2, 455/6.2, 455/6.3

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

☐ Search Selected☐ Search ALL

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> Re27810	November 1973	Buehrle	325/321

<input type="checkbox"/> Re31735	November 1984	Davidson	358/124
<input type="checkbox"/> Re31977	August 1985	Ott	364/200
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<input type="checkbox"/>	<u>4200770</u>	April 1980	Hellman et al.	178/22
<input type="checkbox"/>	<u>4200913</u>	April 1980	Kuhar et al.	364/900
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1189612	June 1985	CA	40/1
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29 18 846	November 1980	DE	
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ART-UNIT: 272

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ABSTRACT:

A unified system of programming communication. The system encompasses the prior art (television, radio, broadcast hardcopy, computer communications, etc.) and new user specific mass media. Within the unified system, parallel processing computer systems, each having an input (e.g., 77) controlling a plurality of computers (e.g., 205), generate and output user information at receiver stations. Under broadcast control, local computers (73, 205), combine user information selectively into prior art communications to exhibit personalized mass media programming at video monitors (202), speakers (263), printers (221), etc. At intermediate transmission stations (e.g., cable television stations), signals in network broadcasts and from local inputs (74, 77, 97, 98) cause control processors (71) and computers (73) to selectively automate connection and operation of receivers (53), recorder/players (76), computers (73), generators (82), strippers (81), etc. At receiver stations, signals in received transmissions and from local inputs (225, 218, 22) cause control processors (200) and computers (205) to automate connection and operation of converters (201), tuners (215), decryptors (224), recorder/players (217), computers (205), furnaces (206), etc. Processors (71, 200) meter and monitor availability and usage of programming.

45 Claims, 30 Drawing figures